

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB 03/03423

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M1/738 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04M H04Q F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 91428 A (WESBY VAN SWAAY EVELINE) 29 November 2001 (2001-11-29) cited in the application abstract page 16, line 1 - line 8 page 20, line 5 -page 25, line 23	1-3, 15, 16
Y	figures 1-3	4-14, 17-21
Y	GB 2 333 392 A (MATSUSHITA ELECTRIC IND CO LTD) 21 July 1999 (1999-07-21) page 7, line 16 -page 6, line 5	4
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the International search

27 November 2003

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16/12/2003

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PCT/GB 03/03423

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2001/026240 A1 (NEHER TIMOTHY J) 4 October 2001 (2001-10-04) abstract paragraph '0092! - paragraph '0093! paragraph '0095! paragraph '0105! paragraph '0107! figures 2-4	5,6, 12-14, 17,18
A	---	1,15
Y	WO 96 27972 A (XYPOINT CORP ;CLISE WILLIAM E (US); CROWSON RICHARD MICHAEL (US)) 12 September 1996 (1996-09-12) abstract page 9, line 3 - line 9	7
Y	US 2001/045938 A1 (WILLNER MICHAEL A ET AL) 29 November 2001 (2001-11-29) paragraph '0050! figure 4	8,11, 19-21
Y	EP 1 215 867 A (SAMSUNG ELECTRONICS CO LTD) 19 June 2002 (2002-06-19) abstract paragraph '0023! - paragraph '0025! figures 3-5	9
Y	WO 02 056163 A (LAPIDUS OLIVIER ;MEDIALUX (FR)) 18 July 2002 (2002-07-18) page 6, line 9 - line 34 figures 2,7	10
A	DE 37 00 781 A (SALEWA GMBH SPORTGERAETEFAB) 21 July 1988 (1988-07-21) abstract column 2, line 68 -column 3, line 12 figures 1,2	3,17
A	WO 95 23487 A (GTE MOBILE COMM SERVINC ;DION JOHN K (US); ZICKER ROBERT G (US)) 31 August 1995 (1995-08-31) page 5, line 20 - line 35 page 6, line 23 - line 32 page 9, line 26 -page 10, line 11 figure 3	1,15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/03423

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0191428	A	29-11-2001	AU 6745901 A CA 2409851 A1 WO 0191428 A2 EP 1290860 A2	03-12-2001 29-11-2001 29-11-2001 12-03-2003
GB 2333392	A	21-07-1999	JP 11205422 A US 6385466 B1	30-07-1999 07-05-2002
US 2001026240	A1	04-10-2001	US 6388612 B1 AU 5083101 A CA 2404912 A1 CN 1434925 T EP 1290465 A1 JP 2003529083 T WO 0173466 A1	14-05-2002 08-10-2001 04-10-2001 06-08-2003 12-03-2003 30-09-2003 04-10-2001
WO 9627972	A	12-09-1996	US 5797091 A AU 5186796 A WO 9627972 A1	18-08-1998 23-09-1996 12-09-1996
US 2001045938	A1	29-11-2001	US 6288709 B1 CN 1395159 A JP 2003093742 A US 2001003713 A1	11-09-2001 05-02-2003 02-04-2003 14-06-2001
EP 1215867	A	19-06-2002	KR 2002048136 A EP 1215867 A2 US 2002077135 A1	22-06-2002 19-06-2002 20-06-2002
WO 02056163	A	18-07-2002	FR 2819371 A1 EP 1352313 A1 WO 02056163 A1	12-07-2002 15-10-2003 18-07-2002
DE 3700781	A	21-07-1988	DE 3700781 A1 IT 1211529 B	21-07-1988 03-11-1989
WO 9523487	A	31-08-1995	US 5594782 A AU 686742 B2 AU 1695995 A AU 689215 B2 AU 1698995 A AU 687996 B2 AU 1737995 A AU 706261 B2 AU 7319598 A BR 9506893 A BR 9506894 A BR 9506895 A CA 2182586 A1 CA 2182598 A1 CA 2182600 A1 CA 2386741 A1 CA 2386746 A1 CA 2386753 A1 CN 1141709 A CN 1142306 A CN 1151237 A EP 1257134 A2	14-01-1997 12-02-1998 11-09-1995 26-03-1998 11-09-1995 05-03-1998 11-09-1995 10-06-1999 27-08-1998 09-09-1997 09-09-1997 09-09-1997 31-08-1995 31-08-1995 31-08-1995 31-08-1995 31-08-1995 31-08-1995 29-01-1997 05-02-1997 04-06-1997 13-11-2002

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/03423

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9523487	A	EP 1257135 A2	13-11-2002
		EP 0746953 A1	11-12-1996
		EP 0746954 A1	11-12-1996
		EP 0746955 A1	11-12-1996
		JP 3385422 B2	10-03-2003
		JP 9509542 T	22-09-1997
		JP 9509543 T	22-09-1997
		JP 3210989 B2	25-09-2001
		JP 9509544 T	22-09-1997
		JP 2001016645 A	19-01-2001
		NZ 279729 A	25-03-1998
		NZ 279750 A	19-12-1997
		NZ 281061 A	19-12-1997
		NZ 329077 A	29-04-1999
		US 5878344 A	02-03-1999
		US 5878339 A	02-03-1999
		WO 9523486 A1	31-08-1995
		WO 9523487 A1	31-08-1995
		WO 9523488 A1	31-08-1995
		US 6134435 A	17-10-2000
		US 6151510 A	21-11-2000
		US 5887259 A	23-03-1999
		US 5535260 A	09-07-1996
		US 6122523 A	19-09-2000
		US 2003195013 A1	16-10-2003
		US 5787354 A	28-07-1998
		US 6243593 B1	05-06-2001
		US 6021335 A	01-02-2000